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Run on: January 15, 2003, 17:21:18 ; Search time 14 Seconds
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Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

262574 seqs, 29422922 residues

11 number of hits satisfying chosen parameters:

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
 Maximum Match 100%

Listing first 45 summaries

Issued_Patents_AA: *

1: /ccn2_6/podata/1/iaa/5A_COMB.pep: *
 2: /ccn2_6/podata/1/iaa/5B_COMB.pep: *
 3: /ccn2_5/podata/1/iaa/6A_COMB.pep: *
 4: /ccn2_5/podata/1/iaa/6B_COMB.pep: *
 5: /ccn2_6/podata/1/iaa/PCTRUS_COMB.pep: *
 6: /ccn2_6/podata/1/iaa/backfiles1.Pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	163	15.1	218	3 US-08-228-208A-20	Sequence 20, Appli
2	165	13.5	225	1 US-08-505-058-4	Sequence 4, Appli
3	146.5	13.5	225	2 US-08-459-818-24	Sequence 24, Appli
4	166.5	13.5	225	2 US-08-889-666-24	Sequence 24, Appli
5	146.5	13.5	225	2 US-08-465-874-24	Sequence 24, Appli
6	146.5	13.5	225	2 US-08-725-776-24	Sequence 24, Appli
7	146.5	13.5	225	2 US-08-488-062-24	Sequence 24, Appli
8	140	12.9	218	3 US-08-228-208A-19	Sequence 19, Appli
9	134.5	12.4	220	3 US-08-228-208A-21	Sequence 21, Appli
10	134	12.4	225	1 US-08-505-058-3	Sequence 3, Appli
11	134	12.4	225	2 US-08-459-818-23	Sequence 23, Appli
12	134	12.4	225	2 US-08-889-666-23	Sequence 23, Appli
13	134	12.4	225	2 US-08-465-078-23	Sequence 23, Appli
14	134	12.4	225	2 US-08-725-776-23	Sequence 23, Appli
15	134	12.4	225	2 US-08-488-062-23	Sequence 23, Appli
16	126	11.6	223	1 US-08-505-058-5	Sequence 5, Appli
17	126	11.6	223	2 US-08-459-818-25	Sequence 25, Appli
18	126	11.6	223	2 US-08-889-666-25	Sequence 25, Appli
19	126	11.6	223	2 US-08-465-078-25	Sequence 25, Appli
20	126	11.6	223	2 US-08-725-776-25	Sequence 25, Appli
21	126	11.6	223	2 US-08-488-062-25	Sequence 25, Appli
22	120.5	11.1	367	3 US-08-630-172-19	Sequence 19, Appli
23	120.5	11.1	367	4 US-09-375-419-19	Sequence 19, Appli
24	119.5	11.0	134	3 US-08-630-172-19	Sequence 3, Appli
25	119.5	11.0	134	4 US-09-375-419-3	Sequence 3, Appli
26	110.2	11.0	211	4 US-09-460-384-33	Sequence 22, Appli
27	109.5	8.6	3	US-09-460-384-22	Sequence 22, Appli

ALIGNMENTS

RESULT 1

; Sequence 20, Application US/08228208A
 ; Patent No. 6090914
 ; GENERAL INFORMATION:
 ; APPLICANT: Linsley, Peter S.
 ; APPLICANT: Ledbetter, Jeffrey A.
 ; APPLICANT: Daniel, Nitin K.
 ; APPLICANT: Brady, William
 ; APPLICANT: Wallace, Phillip M.
 ; TITLE OF INVENTION: CTLA4/CD28/IG HYBRID FUSION
 ; NUMBER OF SEQUENCES: 22
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Merchant & Gould
 ; STREET: 11150 Santa Monica Boulevard, Suite 400
 ; CITY: Los Angeles
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 90025
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/228,208A
 ; FILING DATE: 15-APR-1994
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/008,898
 ; FILING DATE: 22-JAN-1993
 ; APPLICATION NUMBER: 07/723,617
 ; FILING DATE: 27-JUN-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Adriano, Sarah B.
 ; REGISTRATION NUMBER: 34,470
 ; REFERENCE/DOCKET NUMBER: 30436-30US01
 ; TELECOMMUNICATION INFORMATION:
 ; LENGTH: 218 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: unknown
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein

US-08-228-208A-20

Query Match 15.1%; Score 163; DB 3; Length 218;
 Best Local Similarity 26.5%; Pred. No. 3.5e-11; Mismatches 41; Conservative 31; Indels 18; Gaps 7; Matches 65;

Qy 30 MFIFHNGVQILCKYPD--IWOQFKMQLIKGGQILCDLTKR-KGSGNTVSIKSLK---F 82
 Db 29 LLVDNNEVXSYCRSYNLLAKEFRASLYKG--VNSDVXEVCGNGNFTYQOPFRPNVG 86

Qy 83 CHSOLSNMSVSFLYNDSHANYFCNLSTFDPPF--KVTLTGGYAHYESQLC--C 137
 Db 87 CDGNFNETVFLRMLDNUHNTDYECKIEVWYPPPLDENEKSNGTIIHIKEKHLCHAOT 146

Qy 138 QLKFWLPIGCAFWVC--ILGCILIC--WLTKKK 168
 Db 147 SPKLFWLPIVWAGVILCYGLYTVTLCIWTNSRR 181

RESULT 2
 U ->505-058-4
 Uidence 4 Application US/08505059
 ralent No. 5773253
 GENERAL INFORMATION:
 APPLICANT: Linsley, Peter S.
 APPLICANT: Ledbetter, Jeffrey A.
 APPLICANT: Peach, Robert
 APPLICANT: Merchant & Gould
 TITLE OF INVENTION: CTRIA4 Mutant Molecules and Uses Thereof
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merchant & Gould
 STREET: 11150 Santa Monica Blvd., Suite 400
 CITY: Los Angeles
 STATE: California
 COUNTRY: USA
 ZIP: 90025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC compatible
 MEDIUM TYPE: PC-DOS/MS-DOS
 COMPUTER: PC-DOS/MS-DOS
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 CURRENT APPLICATION NUMBER: US/08/505,058
 CLASSIFICATION: 435
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/228,208
 FILING DATE: 15-APR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Adriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436.35US02
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-445-1140
 TELEFAX: 310-445-9031
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 225 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-505-058-4
 Query Match 13.5%; Score 146.5; DB 1; Length 225;
 Best Local Similarity 26.2%; Pred. No. 3.2e-09; Mismatches 42; Conservative 31; Indels 23; Gaps 9; Matches 64;

Qy 30 MFIFHNGVQILCKYPD--IWOQFKMQLIKGGQILCDLTKR-KGSGNTVSIKSLK---F 81
 Db 30 LLVDNNEVXSYCRSYNLLAKEFRASLYKG--VNSDVXEVCGNGNFTYQOPFRPNVG 87

Qy 82 -FCISOLSNMSVSFLYNDSHANYFCNLSTFDPPF--KVTLTGGYAHYESQLC-- 136
 Db 88 FNCDGNFNETVFLRMLDNUHNTDYECKIEVWYPPPLDENEKSNGTIIHIKEKHLCHAOT 147

Qy 137 ---QLKFWLPIGCAFWVC--ILGCILIC--WLTKKK 168
 Db 148 XXXQSPKLFWLPIVWAGVILCYGLYTVTLCIWTNSRR 187

RESULT 3
 U-08-459-818-24
 Sequence 24, Application US/08459818
 Patent No. 5851795
 GENERAL INFORMATION:
 APPLICANT: Linsley, Peter S.
 APPLICANT: Ledbetter, Jeffrey A.
 APPLICANT: Damle, Nican K.
 APPLICANT: Brady, William K.
 TITLE OF INVENTION: CTRIA4 Receptor and Uses Thereof
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merchant & Gould
 STREET: 11150 Santa Monica Blvd., Suite 400
 CITY: Los Angeles
 STATE: California
 COUNTRY: USA
 ZIP: 90025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Fastseq 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/459,818
 FILING DATE: 02-JUN-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Adriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436.35US02
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-445-1140
 TELEFAX: 310-445-9031
 INFORMATION FOR SEQ ID NO: 24:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 225 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-459-818-24

Query Match 13.5%; Score 146.5; DB 2; Length 225;
 Best Local Similarity 26.2%; Pred. No. 3.2e-09; Mismatches 42; Conservative 31; Indels 23; Gaps 9; Matches 64;

Qy 30 MFIFHNGVQILCKYPD--IWOQFKMQLIKGGQILCDLTKR-KGSGNTVSIKSLK---F 81
 Db 30 LLVDNNEVXSYCRSYNLLAKEFRASLYKG--VNSDVXEVCGNGNFTYQOPFRPNVG 87

Qy 82 -FCISOLSNMSVSFLYNDSHANYFCNLSTFDPPF--KVTLTGGYAHYESQLC-- 136
 Db 88 FNCDGNFNETVFLRMLDNUHNTDYECKIEVWYPPPLDENEKSNGTIIHIKEKHLCHAOT 147

Qy 137 ---QLKFWLPIGCAFWVC--ILGCILIC--WLTKKK 168
 Db 148 XXXQSPKLFWLPIVWAGVILCYGLYTVTLCIWTNSRR 187

RESULT 4
 U-08-889-666-24
 Sequence 24, Application US/08889666
 Patent No. 5885579
 GENERAL INFORMATION:
 APPLICANT: Linsley, Peter S.

CURRENT APPLICATION DATA:
 SOFTWARE: Patentin Release #1.0, Version #1.30
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/725,776
 FILING DATE: 18-JAN-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Adriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436-3SUS01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-445-1140
 TELEX: 310-445-9031
 FAX: 310-445-9031
 INFORMATION FOR SEQ ID NO: 24:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 225 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 -> 08-725-776-24
 Query Match 13.5%; Score 146.5; DB 2; Length 225;
 Best Local Similarity 26.2%; Pred. No. 3.2e-09; Mismatches 64;
 Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;
 30 MFPIFHNGVQLI-CKYPD--IVQOKMQLKGQGQILDKTK-KSGGNNTVIKS--- 81
 ; :|:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 30 LIWYDNEVNSLSRCSRYNLUAKEFRASLYKG--VNSDXEVCGVAGNFYQOPFRPNVG 87
 82 -FCISOLSNNSVSPFLYNDHSHANYFVNLSIFPPPF--KVTLJGGYAHIVSQIC-- 168
 ; :|:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 82 FNCQGWNFDETTVTRMLNLDVNTDIFCKIEVMVPPPLDNK5
 137 ---COLKFMLPUCIAAFVWC--IIGCILIC--WLTKEK 147
 ; :|:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 137 ---COLKFMLPUCIAAFVWC--IIGCILIC--WLTKEK 168
 148 XXXQTSPKLFWPLVVAGVLICGlyLTYVTLCIWTNSRR 187
 RESULT 7
 Sequence 24, Application US/08488062
 Patent No. 597318
 GENERAL INFORMATION:
 APPLICANT: Linsley, Peter S.
 APPLICANT: Ledbetter, Jeffrey A.
 APPLICANT: Damle, Nitin K.
 APPLICANT: Brady, William
 APPLICANT: Klein, Peter A.
 TITLE OF INVENTION: CTLA4 Receptor and uses Thereof
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merchant & Gould
 STREET: 11150 Santa Monica Blvd., Suite 400
 CITY: Los Angeles
 STATE: California
 COUNTRY: USA
 ZIP: 90025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/488 062
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/375390
 FILING DATE: 18-JAN-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Adriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436-3SUS01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310 445-1140
 TELEX: 310-445-9031
 FAX: 310-445-9031
 INFORMATION FOR SEQ ID NO: 24:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 225 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 -> US-08-488-062-24
 Query Match 13.5%; Score 146.5; DB 2; Length 225;
 Best Local Similarity 26.2%; Pred. No. 3.2e-09; Mismatches 64;
 Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;
 30 MFPIFHNGVQLI-CKYPD--IVQOKMQLKGQGQILDKTK-KSGGNNTVIKS--- 81
 ; :|:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 30 LIWYDNEVNSLSRCSRYNLUAKEFRASLYKG--VNSDXEVCGVAGNFYQOPFRPNVG 87
 82 -FCISOLSNNSVSPFLYNDHSHANYFVNLSIFPPPF--KVTLJGGYAHIVSQIC-- 168
 ; :|:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 82 FNCQGWNFDETTVTRMLNLDVNTDIFCKIEVMVPPPLDNK5
 137 ---COLKFMLPUCIAAFVWC--IIGCILIC--WLTKEK 147
 ; :|:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 137 ---COLKFMLPUCIAAFVWC--IIGCILIC--WLTKEK 168
 148 XXXQTSPKLFWPLVVAGVLICGlyLTYVTLCIWTNSRR 187
 RESULT 8
 Sequence 19, Application US/08228208A
 Patent No. 6030914
 GENERAL INFORMATION:
 APPLICANT: Linsley, Peter S.
 APPLICANT: Ledbetter, Jeffrey A.
 APPLICANT: Damle, Nitin K.
 APPLICANT: Brady, William
 APPLICANT: Wallace, Phillip M.
 TITLE OF INVENTION: CTLA4/CD28TG HYBRID FUSION
 NUMBER OF SEQUENCES: 22
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merchant & Gould
 STREET: 11150 Santa Monica Boulevard, Suite 400
 CITY: Los Angeles
 STATE: CA
 COUNTRY: USA
 ZIP: 90025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/228,208A
 FILING DATE: 15-APR-1994
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/008,898
 FILING DATE: 22-JAN-1993
 APPLICATION NUMBER: 07/723,617
 FILING DATE: 27-JUN-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Adriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436-3SUS01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310 445-1140
 TELEX: 310-445-9031

INFORMATION FOR SEQ ID NO: 19:
 TELE: ;
 SEQUENCE CHARACTERISTICS:
 LENGTH: 218 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-228-208A-19

Query Match 12.9%; Score 140; DB 3; Length 218;
 Best Local Similarity 25.7%; Pred. No. 1; 8e-08; Matches 39; Conservative 42; Mismatches 61; Indels 28; Gaps 7; Strandedness: unknown; Topology: linear; Molcule type: protein

RESULT 9
 US-08-228-208A-21
 Sequence 21, Application US/08228208A
 Patent No. 6050914
 GENERAL INFORMATION:
 APPLICANT: Linsley, Peter S.
 APPLICANT: Ledbetter, Jeffrey A.
 APPLICANT: Daniel, Nitin K.
 APPLICANT: Brady, William
 APPLICANT: Wallace, Philip M.
 TITLE OF INVENTION: CTIA4/CD2819 HYBRID FUSION
 TITLE OF INVENTION: PROTEINS AND USES THEREOF
 NUMBER OF SEQUENCES: 22
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merchant & Gould
 STREET: 11150 Santa Monica Boulevard, Suite 400
 CITY: Los Angeles
 STATE: CA
 COUNTRY: USA
 ZIP: 90025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/228, 208A
 FILING DATE: 15-APR-1994
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/0228, 208
 FILING DATE: 15-APR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Adriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436.300US1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-445-1140
 TELEFAX: 310-445-9031
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 225 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-228-208A-19

Query Match 12.4%; Score 134; DB 1; Length 225;
 Best Local Similarity 23.0%; Pred. No. 9.3e-08; Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8; Strandedness: unknown; Topology: linear; Molcule type: protein

RESULT 10
 US-08-505-058-3
 Sequence 3, Application US/08505058
 Patent No. 573253
 GENERAL INFORMATION:
 APPLICANT: Linsley, Peter S.
 APPLICANT: Ledbetter, Jeffrey A.
 APPLICANT: Peach, Robert
 TITLE OF INVENTION: CTIA4 Mutant Molecules and Uses Thereof
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merchant & Gould
 STREET: 11150 Santa Monica Blvd., Suite 400
 CITY: Los Angeles
 STATE: California
 COUNTRY: USA
 ZIP: 90025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patientin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/505, 058
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/228, 208
 FILING DATE: 15-APR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Adriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436.300US1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-445-1140
 TELEFAX: 310-445-9031
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 225 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-505-058-3

Query Match 12.4%; Score 134; DB 1; Length 225;
 Best Local Similarity 23.0%; Pred. No. 9.3e-08; Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8; Strandedness: unknown; Topology: linear; Molcule type: protein

QY 38 VQICKVPD-IWQPKMQLKGQICDLTKTKGSGNTVSIKSLKF---CHQSLSNN 90
 Db 37 VSLCSRVSYNLAKERASILYKG---VNSDVECVGNONFTQPOFRSNAEFCNDGDFDNE 94
 Qy 91 SVSFPLYNLDSHANYFCNLSITDFPFPF--KVTLGGYAHIVYESQLC---COLKFWLP 144
 95 TWYFLMLNHLNHTDIFCKEFLMPPYLQDNERNSTIHKERHLCHTOSSPKLFW- 152
 Db 145 TGCAGAFWVWCIGC-----LUICWLTKK 168
 153 --ALVWAGVLFCYGLLVVALCVIWTNSRR 181

QY 30 MFIFHNGVQICKVPD-IWQPKMQLKGQICDLTKTKGSGN---TVSIKSLKFCH 84
 Db 28 MLVAYDNAYKLSCKSYNSILFSREFRASLRKGIDSAAEVCVWVIGNSOOLQVIKTGNCD 87
 Qy 85 SOLSNNSVSFLYNLDSHANYFCNLSIFPFPF--KVTLGGYAHIVYESQLC---WIKKKYSSSHDPNGEYMM 183
 Db 88 GLGNESNVIVFLQNLVINGTIDIFCKEFLMPPYLQDNERNSTIHKERHLCHTOSSPKLFW- 142
 Qy 143 TIGCAAFVVCVQICLIC-----WIKKKYSSSHDPNGEYMM 183
 Db 147 PGPSKPFWVLLVVGGVLACYSLYTVAFITFWVRSKR-SRLIH--SDYMM 194

Db 12 FFXSVQVTEENKLIVKQSPLLYVDSNEVXSLSCRYSNLLAKEFRASLYKG--VNSDVXEV 69
 Qy 69 -KGSGNTVSIKSLKF----CHSOLSNNSVSFLYMLDHSHANYFCNLSIFDPPPF--K 120
 Db 70 CVENGNTFYQPOFRSNAEFGNDGDFDNETVFLRNHLHNTDIFCKIEFMVPPYLDN 129
 Qy 121 VTLTGYLHIVESQLC-----CQLKFWLP1GCAAFFVVCTLG-----ILICWLT 165
 Db 130 ERSNGTIHKEKHLCHTXXQSPLKFN----ALYVVAAGVLFCYGLLVTVACVWTN 184
 Qy 166 KKK 168
 Db 185 SRR 187

RESULT 11
 US-08-459-818-23
 ; Sequence 23, Application US/08459818
 ; Patent No. 5851795
 ; INTERNAL INFORMATION:
 ; APPLICANT: Linsley, Peter S.
 ; APPLICANT: Ledbetter, Jeffrey A.
 ; APPLICANT: Damle, Nitin K.
 ; APPLICANT: Brady, William K.
 ; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
 ; NUMBER OF SEQUENCES: 27
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Merchant & Gould
 ; STREET: 1150 Santa Monica Blvd., Suite 400
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 90025
 ; COMPUTER READABLE FORM:
 ; COMPUTER TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: FastSeq 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/459,818
 ; FILING DATE: 02-JUN-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Adriano, Sarah B.
 ; REGISTRATION NUMBER: 34,470
 ; REFERENCE/DOCKET NUMBER: 30436.35US02
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 310-445-1140
 ; TELEFAX: 310-445-9031
 ; INFORMATION FOR SEQ ID NO: 23:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 225 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS:
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-459-818-23

Query Match 12.4%; Score 134; DB 2; Length 225;
 Best Local Similarity 23.0%; Pred. No. 9.3e-08; Gaps 8;
 Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;

Qy 11 FCLRKVLTGINGSANYEMFLHNGVQILCKYPD--IVQDFKMLQGQILCDLTKT 68
 Db 12 FFXSVQVTEENKLIVKQSPLLYVDSNEVXSLSCRYSNLLAKEFRASLYKG--VNSDVXEV 69
 Qy 69 -KGSGNTVSIKSLKF----CHSOLSNNSVSFLYMLDHSHANYFCNLSIFDPPPF--K 120
 Db 70 CVENGNTFYQPOFRSNAEFGNDGDFDNETVFLRNHLHNTDIFCKIEFMVPPYLDN 129
 Qy 121 VTLTGYLHIVESQLC-----CQLKFWLP1GCAAFFVVCTLG-----ILICWLT 165
 Qy 122 VTLTGYLHIVESQLC-----CQLKFWLP1GCAAFFVVCTLG-----ILICWLT 165
 Db 130 ERSNGTIHKEKHLCHTXXQSPLKFN----ALYVVAAGVLFCYGLLVTVACVWTN 184
 Qy 166 KKK 168
 Db 185 SRR 187

RESULT 12
 US-08-889-666-23
 ; Sequence 23, Application US/08889666
 ; Patent No. 5865579
 ; GENERAL INFORMATION:
 ; APPLICANT: Linsley, Peter S.
 ; APPLICANT: Ledbetter, Jeffrey A.
 ; APPLICANT: Damle, Nitin K.
 ; APPLICANT: Brady, William K.
 ; APPLICANT: Kiener, Peter A.
 ; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
 ; NUMBER OF SEQUENCES: 26
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Merchant & Gould
 ; STREET: 1150 Santa Monica Blvd., Suite 400
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 90025
 ; COMPUTER READABLE FORM:
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/889,666
 ; FILING DATE: 08-JUL-1997
 ; CLASSIFICATION: 435
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/375390
 ; FILING DATE: 18-JAN-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Adriano, Sarah B.
 ; REGISTRATION NUMBER: 34,470
 ; REFERENCE/DOCKET NUMBER: 30436-35US01
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 310-445-1140
 ; TELEFAX: 310-445-9031
 ; INFORMATION FOR SEQ ID NO: 23:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 225 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS:
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-889-666-23

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 Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;

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 Db 12 FFXSVQVTEENKLIVKQSPLLYVDSNEVXSLSCRYSNLLAKEFRASLYKG--VNSDVXEV 69
 Qy 69 -KGSGNTVSIKSLKF----CHSOLSNNSVSFLYMLDHSHANYFCNLSIFDPPPF--K 120
 Db 70 CVENGNTFYQPOFRSNAEFGNDGDFDNETVFLRNHLHNTDIFCKIEFMVPPYLDN 129
 Qy 121 VTLTGYLHIVESQLC-----CQLKFWLP1GCAAFFVVCTLG-----ILICWLT 165
 Db 130 ERSNGTIHKEKHLCHTXXQSPLKFN----ALYVVAAGVLFCYGLLVTVACVWTN 184
 Qy 166 KKK 168
 Db 185 SRR 187

Page
1

APPLICANT: Brady, William
 APPLICANT: Kiener, Peter A.
 TITLE OF INVENTION: CT104 Receptor and Uses Thereof
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Merchant & Gould
 STREET: 11150 Santa Monica Blvd., Suite 400
 CITY: Los Angeles
 STATE: California
 COUNTRY: USA
 ZIP: 90025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/488,062
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/375390
 FILING DATE: 18-JAN-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Abriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436-35US01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-445-1140
 TELEFAX: 310-445-9031
 INFORMATION FOR SEQ ID NO: 23:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 225 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-488,062-23

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 Db 70 CWCNGNFTYQOFQFRSNAEFCNCDFDFDTWTRFLRNHVNHTDIEFKCIEFMVPPPYLDN 129
 Qy 121 VPLTGGLHHTYESQIC-----CQIWFWLPIGCAAFVVVCIIGC-----ILICWLT 165
 Db 130 ERSNNTIHKEKHLCTXXQSSPKLFW----ALYVWAGVLFCYGLVLTVALCVIWTN 184
 Qy 166 KKK 158
 Db 185 SRR 187

Search completed: January 15, 2003, 17:21:44
 Job time : 16 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 15, 2003, 17:21:18 ; search time 11 seconds
(without alignments)
359,620 million cell updates/sec

Title: US-09-509-283B-2

Perfect score: 1082

Sequence: 1 MKSGLWVFFLCLRRKVLNG.....YMFMRRAWNTAKKSRLTDWTL 199

Scoring table: BLOSUM62

Gapop 10.0 , Gapext: 0.5

Searched: 120991 seqs, 19878514 residues

11 number of hits satisfying chosen parameters: 120991

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AA:*

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14: /cggn2_6/podata/1/pupaa/us109_PUBCOMB_pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	1082	100.0	199 12 US-10-107-907-2
4	1067.5	98.7	198 9 US-09-912-224-2
5	1067.5	98.7	198 9 US-09-823-307-2
6	1066.5	98.6	198 9 US-09-989-545-12
7	737.5	68.2	200 9 US-09-989-545-8
8	737.5	68.2	200 9 US-09-989-545-10
9	722.5	66.8	200 9 US-10-107-868-14
10	722.5	66.8	200 12 US-10-107-828-14
11	722.5	66.8	200 12 US-10-107-907-14
12	701	64.8	200 9 US-10-107-868-13
13	701	64.8	200 12 US-10-107-907-13
14	696	64.3	216 9 US-10-107-868-15
15	696	64.3	216 9 US-10-107-868-23
16	696	64.3	216 12 US-10-107-828-15
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18	696	64.3	216 12 US-10-107-907-15
19	64.3	64.3	216 12 US-10-107-907-15

RESULT 1
US-10-107-868-2

Sequence 2, Application US/0107868
Patent No. US20020156242A1

GENERAL INFORMATION:

APPLICANT: Tamizani, Takuva

APPLICANT: Tamizani, Katsunari

TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL

TITLE OF INVENTION: ADHESION AND SIGNAL TRANSMISSION

FILE REFERENCE: 06501-039002

CURRENT APPLICATION NUMBER: US/010/107,868

PRIOR APPLICATION NUMBER: 09/561,308

PRIOR FILING DATE: 2000-04-18

PRIOR APPLICATION NUMBER: US 09/383,551

PRIOR FILING DATE: 1998-02-26

PRIOR APPLICATION NUMBER: PCT/JP98/00837

PRIOR FILING DATE: 1998-02-27

PRIOR APPLICATION NUMBER: JAPAN 09-62290

PRIOR FILING DATE: 1997-02-27

PRIOR APPLICATION NUMBER: JAPAN 10-62217

PRIOR FILING DATE: 1998-02-26

NUMBER OF SEQ ID NOS: 26

SOFTWARE: FASTSEQ FOR Windows Version 4.0

SEQ ID NO 2

LENGTH: 199

TYPE: PRT

ORGANISM: Homo sapiens

US-10-107-868-2

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Sequence 31

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; RESULT 2
; US-10-107-828-2
; Sequence 2, Application US/10107828
; Patent No. US20020115831A1
; GENERAL INFORMATION:
; APPLICANT: Tamazani, Takuza
; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELLI
; FILE REFERENCE: 06501-019002
; CURRENT APPLICATION NUMBER: US/10/107, 828
; CURRENT FILING DATE: 2002-03-25
; PRIORITY APPLICATION NUMBER: US/09/561, 308B
; PRIORITY FILING DATE: 2000-04-28
; PRIORITY APPLICATION NUMBER: PCT/JP98/00837
; PRIORITY FILING DATE: 1998-02-27
; PRIORITY APPLICATION NUMBER: JAPAN 09-62290
; PRIORITY FILING DATE: 1997-02-27
; PRIORITY APPLICATION NUMBER: JAPAN 10-62217
; PRIORITY FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 2
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-107-828-2

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Best Local Similarity 100.0%; Prod. No. 2.9e-101; Pred. No. 2.9e-101;
Matches 199; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 VTLTGYGLHIESOOLCCOLKFWLPIGCAAFVWVCLGICLICLICWLTKKKYSSVHDNGEY 180
Db 121 VTLTGYGLHIESOOLCCOLKFWLPIGCAAFVWVCLGICLICLICWLTKKKYSSVHDNGEY 180

QY 181 MFMRAVNTAKKSRLTDVTL 199
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; RESULT 4
; US-09-972-524-2
; Sequence 2, Application US/09972524
; Patent No. US2002017191A1
; GENERAL INFORMATION:
; APPLICANT: Kroczeck, Richard
; TITLE OF INVENTION: Methods for Treatment of Asthmatic Disorders
; FILE REFERENCE: 783-4-0
; CURRENT APPLICATION NUMBER: US/09/972, 524
; CURRENT FILING DATE: 2001-10-04
; PRIORITY APPLICATION NUMBER: 09/509, 283
; PRIORITY FILING DATE: 2000-08-11
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO: 2
; LENGTH: 198
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 2
; LENGTH: 198
; TYPE: PRT
; ORGANISM: BFM4
; US-09-972-524-2

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Matches 198; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
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; ORGANISM: BFM4
; US-09-972-524-2

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; LENGTH: 198
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; LENGTH: 198
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; ORGANISM: BFM4
; US-09-972-524-2

; RESULT 3
; Sequence 2, Application US/10107907
; Patent No. US20020151685A1
; GENERAL INFORMATION:
; APPLICANT: Tamazani, Takuza
; APPLICANT: Tezuka, Katsunari
; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELLI
; FILE REFERENCE: 06501-039002
; CURRENT APPLICATION NUMBER: US/10/107, 907
; CURRENT FILING DATE: 2002-03-26
; PRIORITY APPLICATION NUMBER: 09/561, 308
; PRIORITY FILING DATE: 2000-04-28
; PRIORITY APPLICATION NUMBER: PCT/JP98/00837
; PRIORITY FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 2
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-107-907-2
; Sequence 2, Application US/10107907
; Patent No. US20020151685A1
; GENERAL INFORMATION:
; APPLICANT: Tamazani, Takuza
; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELLI
; FILE REFERENCE: 06501-039002
; CURRENT APPLICATION NUMBER: US/10/107, 907
; CURRENT FILING DATE: 2002-03-26
; PRIORITY APPLICATION NUMBER: 09/561, 308
; PRIORITY FILING DATE: 2000-04-28
; PRIORITY APPLICATION NUMBER: PCT/JP98/00837
; PRIORITY FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 2
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-107-907-2

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Best Local Similarity 100.0%; Prod. No. 2.9e-101; Pred. No. 2.9e-101;
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QY 61 ILCDDLTTKKGSGNTVSIKSLKFCHQSLSNNSSVSFPLYMLDHSHANYFCNLISIDFPFPK 120
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QY 121 VTLTGYGLHIESOOLCCOLKFWLPIGCAAFVWVCLGICLICLICWLTKKKYSSVHDNGEY 180
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RESULT 5
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; Sequence 2, Application US/09823307
; Publication No. US2002018267A1
; GENERAL INFORMATION:
; APPLICANT: Krocze, Richard
; TITLE OF INVENTION: Methods of Modulating T Lymphocyte Costimulation
; FILE REFERENCE: 7853-235
; CURRENT APPLICATION NUMBER: US/09/823, 307
; CURRENT FILING DATE: 2001-04-02
; PRIOR APPLICATION NUMBER: 09/509, 283
; PRIOR FILING DATE: 2000-08-11
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO 2
; LENGTH: 198
; SOFTWARE: PatentIn version 3.0
; TYPE: PRT
; ORGANISM: 8F4
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Qy 121 VTTGGYLHYESOLCOLKEFLPICAANVVCLGILKWLTKYSSVHDNGEY 180
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Qy 181 MFMRAVNTAKKSRLTDVTL 199
Db 180 MFMRAVNTAKKSRLTDVTL 198

RESULT 7
US-09-989-545-8
; Sequence 8, Application US/0989545
; Patent No. US20020166697A1
; GENERAL INFORMATION:
; APPLICANT: Lehar, Sophie
; APPLICANT: Manning, Stephen
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Gutierrez-Ramos, Jose-Carlos
; TITLE OF INVENTION: No. US20020164697A1 Th2-Specific Molecules and Uses Thereof
; FILE REFERENCE: 5800-10B
; CURRENT APPLICATION NUMBER: US/09/989, 545
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/168, 229
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 09/258, 670
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 24
; SEQ ID NO 8
; LENGTH: 200
; SOFTWARE: PatentIn Ver. 2.0
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-989-545-8

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Best Local Similarity 69.3%; Pred. No. 9.4e-67; Mismatches 40; Indels 1; Gaps 1;
Matches 138; Conservative 20; Mismatches 40; Indels 1; Gaps 1;

Qy 1 MKSGLWYFFLFCRIRKVLGEINGSANVEMTFHNGVQILCKYPDIQVQFMQLIKGGQ 60
Db 1 MKSGLWYFFLFCRIRKVLGEINGSANVEMTFHNGVQILCKYPDIQVQFMQLIKGGQ 60

Qy 61 ILCDLTKTGSNTVSIKSLKFCHSQLSNNSSPFLYNLDHSHANYFCNLSIDDPFPK 120
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Db 61 ILCDLTKTGSNTVSIKSLKFCHSQLSNNSSPFLYNLDHSHANYFCNLSIDDPFPK 120

Qy 121 V-TTGGYLHYESOLCOLKEFLPICAANVVCLGILKWLTKYSSVHDNGEY 179
Db 121 V-TTGGYLHYESOLCOLKEFLPICAANVVCLGILKWLTKYSSVHDNGEY 180

Qy 180 YMMRAVNTAKKSRLTDVTL 199
Db 181 YMMRAVNTAKKSRLTDVTL 199

RESULT 8
US-09-989-545-10
; Sequence 10, Application US/0989545
; Patent No. US20020164697A1
; GENERAL INFORMATION:
; APPLICANT: Lehar, Sophie
; APPLICANT: Manning, Stephen
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Gutierrez-Ramos, Jose-Carlos
; TITLE OF INVENTION: No. US20020164697A1 Th2-Specific Molecules and Uses Thereof
; FILE REFERENCE: 5800-10B

Query Match 99.6%; Score 1066.5; DB 9; Length 198;
Best Local Similarity 99.5%; Pred. No. 1e-99; Mismatches 0; Indels 1; Gaps 1;
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CURRENT APPLICATION NUMBER: US/09/989,545
CURRENT FILING DATE: 2001-11-20
PRIORITY APPLICATION NUMBER: 09/168,229
PRIORITY FILING DATE: 1998-10-07
PRIORITY APPLICATION NUMBER: 09/258,670
PRIORITY FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 24
SEQ ID NO 10
LENGTH: 200
TYPE: PRT
ORGANISM: Mus sp.
US-09-989-545-10

Query Match 68.2%; Score 737.5; DB 9; Length 200;
Best Local Similarity 69.3%; Pred. No. 9.4e-67;
Matches 138; Conservative 20; Mismatches 40; Indels 1; Gaps 1;
Oy 1 MKSGLWYVFLCLRITKVLGEINGSANVEMFIFHNGVOLCKYPDVQOKMQLKGQ 60
l 1 MKPYFCHVFFCFLIRLILGEINGSADHRMFESTHNGVQISCKPVHQVQLKMRFR 60
Qy 61 ILCDTKTKGSNTVSKLKFCHSOLSNNSVFFLNIDHSANYFCNLISIDDPFPFK 120
Db 61 VLGELAKTKGSNAVSKNPMCLYHHSNNSVFFLNIDPSQGSTYFCSLISIDDPFPQ 120
Qy 121 V-TLGGYLHYESQOLCCQKFLWLGCAFWVVCIGCILCWLTKKYSSVHDNPE 179
Db 121 ERNLGGYLHYESQOLCCQKFLWLGCAFWVVCIGCILCWLTKKYSSVHDNPE 180
Qy 180 YMFRAVNTAKKSRLTDVT 198
Db 181 YMFMMAVNTNKSRLAGVT 199

RESULT 9
US-10-107-868-14
; Sequence 14, Application US/10107868
; Patent No. US2002015624A1
; GENERAL INFORMATION:
; APPLICANT: Tezuka, Katsunari
; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
; TITLE OF INVENTION: ADHESION AND SIGNAL TRANSMISSION
; FILE REFERENCE: 06501-039002
; CURRENT APPLICATION NUMBER: US/10/107,828
; PRIOR APPLICATION NUMBER: US/09/661,308B
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: PCT/JP98/00837
; PRIOR FILING DATE: 1998-02-27
; PRIOR APPLICATION NUMBER: JAPAN 09-62290
; PRIOR FILING DATE: 1997-02-27
; PRIOR APPLICATION NUMBER: JAPAN 10-62217
; PRIOR FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 14
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-107-828-14

Query Match 66.8%; Score 722.5; DB 12; Length 200;
Best Local Similarity 68.3%; Pred. No. 3e-65;
Matches 136; Conservative 20; Mismatches 42; Indels 1; Gaps 1;
Oy 1 MKSGLWYVFLCLRITKVLGEINGSANVEMFIFHNGVOLCKYPDVQOKMQLKGQ 60
Db 1 MKPYFCHVFFCFLIRLILGEINGSADHRMFESTHNGVQISCKPVHQVQLKMRFR 60
Qy 61 ILCDTKTKGSNTVSKLKFCHSOLSNNSVFFLNIDHSANYFCNLISIDDPFPFK 120
Db 61 VLGELAKTKGSNAVSKNPMCLYHHSNNSVFFLNIDPSQGSTYFCSLISIDDPFPQ 120
Qy 121 V-TLGGYLHYESQOLCCQKFLWLGCAFWVVCIGCILCWLTKKYSSVHDNPE 179
Db 121 ERNLGGYLHYESQOLCCQKFLWLGCAFWVVCIGCILCWLTKKYSSVHDNPE 180
Qy 180 YMFRAVNTAKKSRLTDVT 198
Db 181 YMFMMAVNTNKSRLAGVT 199

RESULT 10
US-10-107-828-14
; Sequence 14, Application US/10107828
; Patent No. US2002015631A1
; GENERAL INFORMATION:
; APPLICANT: Tezuka, Katsunari
; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
; TITLE OF INVENTION: ADHESION AND SIGNAL TRANSMISSION
; FILE REFERENCE: 06501-039002
; CURRENT APPLICATION NUMBER: US/10/107,828
; PRIOR APPLICATION NUMBER: US/09/661,308B
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: PCT/JP98/00837
; PRIOR FILING DATE: 1998-02-27
; PRIOR APPLICATION NUMBER: JAPAN 09-62290
; PRIOR FILING DATE: 1997-02-27
; PRIOR APPLICATION NUMBER: JAPAN 10-62217
; PRIOR FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 14
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-107-828-14

Query Match 66.8%; Score 722.5; DB 12; Length 200;
Best Local Similarity 68.3%; Pred. No. 3e-65;
Matches 136; Conservative 20; Mismatches 42; Indels 1; Gaps 1;
Oy 1 MKSGLWYVFLCLRITKVLGEINGSANVEMFIFHNGVOLCKYPDVQOKMQLKGQ 60
Db 1 MKPYFCHVFFCFLIRLILGEINGSADHRMFESTHNGVQISCKPVHQVQLKMRFR 60
Qy 61 ILCDTKTKGSNTVSKLKFCHSOLSNNSVFFLNIDHSANYFCNLISIDDPFPFK 120
Db 61 VLGELAKTKGSNAVSKNPMCLYHHSNNSVFFLNIDPSQGSTYFCSLISIDDPFPQ 120
Qy 121 V-TLGGYLHYESQOLCCQKFLWLGCAFWVVCIGCILCWLTKKYSSVHDNPE 179
Db 121 ERNLGGYLHYESQOLCCQKFLWLGCAFWVVCIGCILCWLTKKYSSVHDNPE 180
Qy 180 YMFRAVNTAKKSRLTDVT 198
Db 181 YMFMMAVNTNKSRLAGVT 199

RESULT 11
US-10-107-907-14
; Sequence 14, Application US/10107907
; Patent No. US20020151685A1
; GENERAL INFORMATION:
; APPLICANT: Tezuka, Katsunari
; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
; FILE REFERENCE: 06501-039002
; CURRENT APPLICATION NUMBER: US/10/107,907

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; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 09/561,308
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/JP98/00837
; PRIOR FILING DATE: 1998-02-27
; PRIOR APPLICATION NUMBER: JAPAN 09-62290
; PRIOR FILING DATE: 1997-02-27
; PRIOR APPLICATION NUMBER: JAPAN 10-62217
; PRIOR FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-107-907-14

; Query Match 66.8%; Score 722.5; DB 12; length 200;
; Best Local Similarity 66.3%; Pred. No. 3e-65; Mismatches 136; Conservative 20; Indels 1; Gaps 1;
Db 1 MKSGLWYFFELKRLKVLTGEINGSANYEMFIFHNGVOLCKYPDITQDFRMQLKGQ 60
Db 1 MKPYFCHVFVFCFLKLJGEGSADHRMFSEHGGVOLSKYPTVQQLMRERRE 60
Qy 61 IUDLTKTKGSNTVIKSLSKPCHSOLNSNSVSFLYNUDHSHANVYFCNLSIFPPPFK 120
Db 61 VCELKTRKGSNVAVSIKPMCLYHLSNNVSFFLNPDSSOGSYFCSLSIDFPDPFQ 120
Qy 121 V-TLGGYLHYESQCCOLKWLPIGCAAFVVCILGCLICWLTKKKSSVHDPE 179
Db 121 ERNLSCGGYLHYESQCCOLKWLPIVGLPAVVVLFGCILWESKKYSSVHDPE 180
Qy 180 YMFRRAVNTAKSRLTDWT 198
Db 181 YMFMMAVNTNKSRLAGWT 199

RESULT 12
US-10-107-868-13

; Sequence 13, Application US/10107868
; GENERAL INFORMATION:
; Patent No. US2002015831A1
; APPLICANT: Tamatani, Takuva
; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
; FILE REFERENCE: 06501-039002
; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US/09/561,308B
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: PCT/JP98/00837
; PRIOR FILING DATE: 1998-02-27
; PRIOR APPLICATION NUMBER: JAPAN 09-62290
; PRIOR FILING DATE: 1997-02-27
; PRIOR APPLICATION NUMBER: JAPAN 10-62217
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; US-10-107-828-13

; Query Match 64.9%; Score 701; DB 12; length 200;
; Best Local Similarity 67.9%; Pred. No. 4.3e-63; Mismatches 133; Conservative 17; Indels 42; Gaps 4; Gaps 2;
Db 4 YFSCVVFELKRLKVLTGEINGSANYEMFIFHNGVOLCKYPDITQDFRMQLKGQILC 63
Qy 7 YF--FLECLRKLVLTGEINGSANYEMFIFHNGVOLCKYPDITQDFRMQLKGQILC 63
Db 4 YFSCVVFELKRLKVLTGEINGSANYEMFIFHNGVOLCKYPDITQDFRMQLKGQILC 63
Qy 64 DLTTRKTKGSNTVIKSLSKPCHSOLNSNSVSFLYNUDHSHANVYFCNLSIFPPPF-KVT 122
Db 64 DLTTRKTKGSNTVIKSLSKPCHSOLNSNSVSFLYNUDHSHANVYFCNLSIFPPPF-KVN 123
Qy 123 LGGYLHYESQCCOLKWLPIGCAAFVVCILGCLICWLTKKKSSVHDPE 182
Db 124 LGGYLHYESQCCOLKWLPIVGLPAVVVLFGCILWESKKYSSVHDPE 183
Qy 183 MRAVNTAKSRLTDWT 198
Db 184 MRAVNTNKSRLAGWT 199

RESULT 14
US-10-107-907-13

; Sequence 13, Application US/10107907
; Patent No. US20020151665A1
; GENERAL INFORMATION:
; APPLICANT: Tamatani, Takuva
; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL

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Query Match Similarity 64.8%; Score 701; DB 9; Length 200;
Best Local Similarity 67.9%; Pred. No. 4.3e-63; Mismatches 133; Conservative 17; Mismatches 42; Indels 4; Gaps 2;
Qy 7 YF--FLECLRKLVLTGEINGSANYEMFIFHNGVOLCKYPDITQDFRMQLKGQILC 63

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; Sequence 13, Application US/10107907
; Patent No. US20020151665A1
; GENERAL INFORMATION:
; APPLICANT: Tamatani, Takuva
; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL

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TITLE OF INVENTION: ADHESION AND SIGNAL TRANSMISSION
FILE REFERENCE: 0501-039002
CURRENT APPLICATION NUMBER: US/10/107,907
CURRENT FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: 09/561,308
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: PCT/JP98/00837
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: JAPAN 09-62290
PRIOR FILING DATE: 1997-02-27
PRIOR APPLICATION NUMBER: JAPAN 10-62217
PRIOR FILING DATE: 1998-02-26
SOFTWARE: FastSEQ For Windows Version 4.0
SEQ ID NO 13
LENGTH: 200
TYPE: PRT
ORGANISM: Rattus norvegicus
US-10-107-907-13

Query Match

best local Similarity 67.9%; Pre. No. 4.3e-63; Length 200;
Matches 133; Conservative 17; Mismatches 42; Indels 4; Gaps 2;

Qy 7 YF--PLFLCRIRKVLTGETINGSANYENPFLINNGVQILCKYDPIVQOKMQLKGQQLC 63
Db 4 YFSCVVFVFCFLIKLUTGELNDLNRHMFSDHGVOISCNYPETWDQOKMQLKFDRREVLC 63
Qy 64 DJKTKGSGNTVSTKSLPKCHSQDSNNSVSFPLYMLDHSHANYFCNLSTFDPPR-KVT 122
Db 64 DJKTKGSGNTVSTKPNPSCPYVOLSNNVSFPLYMLDHSHANYFCNLSTFDPPR-QEKN 123
Qy 123 LFGYIHIYESOLCCQKFLPILPICCAVWVCLGCLTCWLTKYSSVHDPEYMF 182
Db 124 LSGGYIHLVYESOLCCQKFLPVGCAFAVALLFCITWFAKKYRSSVHDPEYMF 183
Qy 183 MRAVNAAKRL 194
Db 184 MAAVNNAKRSRL 195

RESULT 15
US-10-107-868-15
Sequence 15, Application US/10107868
; Patent No. US20020156242A1
; GENERAL INFORMATION:
; APPLICANT: Tamatani, Takuya
; APPLICANT: Tezuka, Katsuaki
; TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
; TITLE OF INVENTION: ADHESION AND SIGNAL TRANSMISSION
; FILE REFERENCE: 0501-039002
; CURRENT APPLICATION NUMBER: US/10/107,868
; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 09/561,308
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 09/383,551
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: PCT/JP98/00837
; PRIOR FILING DATE: 1998-02-27
; PRIOR APPLICATION NUMBER: JAPAN 09-62290
; PRIOR FILING DATE: 1997-02-27
; PRIOR APPLICATION NUMBER: JAPAN 10-62217
; PRIOR FILING DATE: 1998-02-26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-107-868-15

Search completed: January 15, 2003, 17:24:32
Job time : 12 secs

* Query Match 64.3%; Score 696; DB 9; Length 216;
Best Local Similarity 68.8%; Pre. No. 1.5e-62;